

Application No.: 10/710,406
Examiner: Nguyen, Tuyen T
Art Unit: 2832

Applicant: Taipei Multipower Electronics Co., Ltd.

IN THE CLAIMS

Please amend the claims as follows.

Claims 1-9 (canceled).

10. (currently amended) A transformer module, comprising:

at least two bobbins, each bobbin enclosing a hollow central region and comprising a receiving hole, wherein two sides of each bobbin comprises an inlaying portion and a buckling portion, and wherein a plurality of terminals extend from said buckling portion, wherein said buckling portion at two sides of each bobbin comprise a buckling element and a buckling groove respectively, and wherein said buckling element of one of said bobbins is buckled to said buckling groove of another bobbin of said bobbins;

a core element, positioned inside said receiving hole of each bobbin;

two a transmission element elements, two end portions thereof electrically connected with two end portions of said core ~~element elements~~ respectively to form a magnetic loop, wherein said transmission element is secured at said inlaying portion of each bobbin by inlaying a holding portion of the ~~single~~ transmission element into said inlaying portion of each bobbin; and

a lid, covering a top of said bobbins, electrically connected to said transmission element.

11. (previously presented) The transformer module according to claim 10, wherein said lid comprises a plurality of jointing portions at sides thereof.

12. (previously presented) The transformer module according to claim 11, wherein said jointing portions formed at sides of said lid comprises long bars.

13. (currently amended) The transformer module according to claim 10, wherein

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said transmission ~~element~~ elements are is made of a conductive material.

Claim 14 (canceled).

15. (currently amended) The transformer module according to claim 10, wherein said transmission ~~element~~ elements are of each bobbin is positioned independently.

16. (previously presented) The transformer module according to claim 10, wherein said inlaying portion formed at two sides of said bobbins comprises an inlaying groove respectively.

17. (new) A transformer module, comprising:

at least two bobbins, each bobbin enclosing a hollow central region and comprising a receiving hole;

a core element, positioned inside said receiving hole of each bobbin;

two transmission elements, two end portions thereof electrically connected with two end portions of said core elements respectively; and

a lid, covering a top of said bobbins, electrically connected to said transmission elements.

18. (new) The transformer module according to claim 17, wherein two sides of each bobbin comprises an inlaying portion and a buckling portion, and wherein a plurality of terminals extend from said buckling portion,

19. (new) The transformer module according to claim 18, wherein said buckling portion at two sides of each bobbin comprise a buckling element and a buckling groove respectively, and wherein said buckling element of one of said bobbins is buckled to said buckling groove of another bobbin of said bobbins, wherein said transmission elements are secured at said inlaying portion of each bobbin respectively by inlaying a holding portion of the transmission elements into said inlaying portion of the bobbins.

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20. (new) The transformer module according to claim 18, wherein said inlaying portion formed at two sides of said bobbins comprises an inlaying groove respectively.

21. (new) The transformer module according to claim 17, wherein said lid comprises a plurality of jointing portions at sides thereof.

22. (new) The transformer module according to claim 21, wherein said jointing portions formed at sides of said lid comprises long bars.

23. (new) The transformer module according to claim 17, wherein said transmission elements are made of a conductive material.

24. (new) The transformer module according to claim 17, wherein said transmission elements positioned inside bobbins are positioned independently.